

CLAIM 10: (amended twice) A device for transmitting thermal energy from an object into deep space comprising:

B2 a thermal energy transmitting material designed to cover an object and positioned with a transmitting surface thereof facing deep space, said thermal energy transmitting material configured and removably positioned to remove waste heat proximate said object thereby reducing thermal pollution, said transmitting material having spectral surface properties of high emissivity in a spectral band substantially transparent to the atmosphere of the earth, wherein said object includes objects on the surface of the earth and proximate thereto.

CLAIM 19. (amended twice) An electricity generating device for use in an environment having an ambient pressure, comprising:

B3 a first junction surface in thermal contact with one of deep space and solar energy, said first surface having a high thermal emissivity toward the atmosphere of the earth;

a second junction surface in thermal contact with an object located at about a surface of the earth or proximate thereto; and

an electricity generating cell intermediate the first and second junction surfaces;

wherein the first and second junction surfaces are at a temperature different from each other producing a thermoelectric potential between the first and second junction surfaces.